Gas Journal

Founded in 1849 as the 'Journal of Gas Lighting'

INDEX

(315) TO

VOL. 314 (July 3 to September 28, 1963)

The General Index for July to September is followed by an extended Classified Index under the following subject headings:

Area Boards	iii	Obituary	iii
Authors	iii	Personal	iii
Book Reviews	iii	Trade Notes	iv
Correspondence	iii	Technical Developments ..	iv
Editorial Comment ..	iii	Trade Publications ..	iv
Gas Council	iii		

LONDON

WALTER KING, LTD.

FINWELL HOUSE, 26, FINSBURY SQUARE, LONDON, E.C.2.

GENERAL INDEX

A

Aerial Tour of Pennine Spur Methane Line—Photos, 257
Ammonia Synthesis Plant for Holland, 260
Annual General Meeting of Control Apparatus Association, 153
Appliance Sales—
Increasing, 45
Up in North West, 236
Asphyxiation and Modern Methods of Treatment—Photo, 316
'At Home 1963'—with Gas, 81
Australian Boiler Contract, 130
Automated Oilfield for Russia, 107

B

Belfast—
Charter Celebrations—Photos, 18
Gas Manager Demands Modernisation, 259
Rejects Joint Gas Board for Ulster, 235
B.H.D. Engineers Ltd. Report, 357
Billingham Reforming Plant, 150
Boards Commended on Non-Payment of Gas Bills Action, 151
Bottled Gas Proposals for Lerwick, 47
Bowling Main Held by Stoves Ltd., 236
British Columbian Gas, Oil, 108

C

Calor Gas—'A Satisfactory Trend,' 358
Cathodic Protection for Methane Pipeline, 130
Central Heating Sales Record, N.T.G.B., 287
Cheaper and Non-Toxic Gas from Hitchin Plant, 174
Chester—
Luxury Flats Use Gas, 356
Works to Cease Production, 260
Christmas for Ten in June, 48
Closure of Mond Works Provides Intricate Job—Photos, 202
Consolidated Pneumatic Tool Co. Ltd., New Address, 206
Construction and Control of the North and Mid-Wales Gas Grids—Photo, 343
Corrosion Engineers Meet in London, 130
Corrosive Action of Hydrogen Sulphide, 234
Crew Safety on Methane Tankers, 82

D

Desorption of Benzole Hydrocarbons, 234
Development of Gas in Naples, 271
Directory of Thermal Insulation Contracting, 145
Doncaster's 36-Mile Water Main, 217
Doncaster's New Plant, 48
Duke of Edinburgh Opens Clairville Stadium at Middlesbrough, 174

E

East Midlands Consumers Will Pay More for Gas, 175
Electrical Development Association's Promotional Drive for Storage Heaters, 323
Enfield Sandwich Course in Gas Engineering, 321
Esso Agreement with the Scottish Gas Board, 178
Edinburgh Evening News Ideal Home Exhibition—Photo, 44

F

Farnborough Flats to be Gas Heated, 49
Film by North Thames Gas Board, 131
French Equipment Body Formed, 206

G

Gas around the World, 149
Gas Council Work at Watson House, 287
Gas Figures in Tottenham's New Tall Block, 297
Gas from Oil—Big New Plant in Scotland—Photo, 205
Gasholder Contracts, 178
Gas on the Continent, 43, 233, 318
Gas Wins Multi-Storey Heating Battle, 204
General Purpose Brass Tubes: Revised Specification, 147
Gibbons Brothers Ltd.—Long Service Awards—Photo, 200
Glover and Main Optimism, 323

H

Handling Efficiency Pamphlet Published, 287
Harvey, G. A., & Co. (London) Ltd., New Brochure, 129
Hastings Explosions, 80
Higher Sales of Gas Space Heating Appliances, 150
Hitchin Reforming Plant—Progress Report, 95
Holland—
Calculates Future Natural Gas Prices, 235
Natural Gas Output, 323
Seeks Gas in Home Waters, 260
Horsbury, N.E.G.B., Showrooms Close, 48
Hot—But the Fires Sell in S.G.B., 131
'Hot Line' for Railways, 356
Hythe to Ower 20-in. Gas Pipeline Progress—Photos, 17

I

I.C.I. Steam/Naphtha Process—Photo, 191
Improved Sealing Gland—Photos, 148
Indian Gas Grid Opened, 357
Insulating Methane Tanks, New Technique Cuts Costs, 16
International Gas Union Council Meets in London, 45
Italian Gas Field Find, 353

K

Kapuni Gas in Production Soon, 356
Karachi Pipeline, 151
Kuwait Places £2.5 mill. Boiler Order with Babcock and Wilcox, 286

L

Lady Jones Launches 'Methane Progress,' 353
Large Increases in Sales of Gas Heating Appliances, 286
Liquid Methane Pump Passes Test—Photo, 325
Lord Robens says, 'We Have Mountains of Smokeless Fuel,' 235
Low-cost Natural Gas Fuel Cell Development—Photos, 144

M

Main, R. and A. Ltd.—Long Service Awards—Photo, 42
Maintenance Craftsmen's Pay, 150
Manchester I.G.E. Visit Research Station, 355
Map of Far East Oil, 235
Methanol from Natural Gas, 203
Midland Tar Distillers Report, 151
Minister of Power—
Lays Foundation Stone at Hitchin—Photos, 174
Makes Helicopter Trip to See Methane Grid Progress—Photo, 129
Sees Methane Grid Safety Inspection—Photo, 259
Mobile Showroom for Cheadle, 258
Moscow Gas Pipeline, 287
'Move Market Harborough Showrooms' Plea, 130
MS Plant Order Valued £200,000 for Woodall-Duckham Construction Co. Ltd., 131

N

Nalgo Conference, Organising Officer for Gas Staffs Reports on Year's Work, 103
Natural Gas Pipeline Progresses Rapidly, 80
N.C.B. Briquettes on Sale Soon, 325
Netherlands State Mines, 194
New Factory Widens Scope for Leeds & Northrup Ltd., 50
New Showroom at Newport, 175
Newton Chambers Reorganisation, 46
New Type Plant for Wexford, 151
Nitrogen Cleans l.p.g. Tanks, 356
North Eastern Board Takes Steps to Increase Winter Output, 151
Northern Gas Organises Table-Laying Contest—Photos, 48
Northern Ireland Gas Grid Link-Up Investigated, 287
North Thames Gas Board—
Aiding Road Safety Cause, 130
Appointments, 131, 237
Cooker Deliveries, 82
North Wales Grid Control Centre Opened—Photos, 354
North Western Board Orders £1 mill. Naphtha Reformer, 48
Nursery School Heating Problem, Berks., 131

O

Offshore Well Drilling Plan, 174

P

Parkinson Cowan—
Company Meeting, 152
Sales Conferences, 46, 107
Pay Offer Accepted by Maintenance Men, 174
Phimax Will Cost More in North West, 129
Pipeline Plans in Canada, 131
Polish Outlook, 203
Poplar First Aid Team Wins Trophy—Photo 45
Powell Duffryn Final Dividend, 150
Pressure Reforming by I.C.I. Process, 47

R

'Reasonably Optimistic about Future' says George Wilson Gas Meters Chairman, 325
Record Sales of Appliances by N.W.G.B., 175
Reforming Unit for S. Australia, 81
Reorganisation Produces N.G.B. Staff Changes, 323
Revised Specification for Water Heating Appliances, 309
Royal Highland Show—Photo, 236

S

S.B.G.I. Gas Appliance Approval Testing: New Council, 287
Scottish Building Centre—Gas Section has Largest Space, 355
Scottish Gas Board—
Chairman Interviewed on TV—Photo, 237
Sponsors Drawing-Room Opera, 206
Staff Conference—Photo, 8
Search for Oil and Natural Gas, 287
Second Methane Tanker Launched, 323
Simon Engineering Order Intake up on 1962, 107
Sir Henry Jones Presents Cash Awards for Ideas—Photo, 80
Sixpence-in-the-Pound N.W.G.B. Commission, 130
Smokeless Fuel Supplies, 175
Social Club chooses Gas Heating, 131
Society for Analytical Chemistry to Hold Conference, 46
South Eastern Gas Board—
Plans Early Price Rise, 107
Prepares for Methane Imports—Photos, 324
Southern Board's Spring Water Heater Successes, 236
South Western Board Installs Acetal Resin Pipes, 193
Spalding Accounts and Costing Staff to Move, 46
St. Albans Gasworks, Electric Alternator Commissioned, 358
Stores Contest Joint Winners, N.T.G.B., 81
Students on Works Visit—Photo, 236
Supersonic Burners, 81
Synthesis Plant for Hungary, 357

T

Tariff Adjustments, N.T.G.B., 356
Thames Pipeline for Sahara Gas, 47
Tomlinson T. A., Appreciations, 355
Town Gas Supply for Salisbury Plain, 150

U

United Gas Industries Annual Review, 179
United States and Canadian Gas and Pipeline Newsletter, 272
U.S.S.R. Natural Gas—Asia to Baltic, 17

V

Visitors to Bottisham Showhouse, 258

W

Wales—Another Steamboc, 131
Wales Board H.Q. Staff Move into Snelling House, 150
Watson House Entertains North Thames G.C.C., 206
Whessoe Completes 10 mill. cu. ft. Per Day Gas Purifier—Photo, 203
Windermere Show for Salesmen, 152
Wood Preserving Standard, 200
World Power Conference—
Executives Meet, 125
Papers for Lausanne, 357

CLASSIFIED INDEX

AREA BOARDS

EASTERN

Cheaper and Non-Toxic Gas from Hitchin Plant, 174
Gas Figures in Tottenham's New Tall Block, 287
Minister of Power lays Foundation Stone at Hitchin—Photos, 174
St. Albans Gasworks, Electric Alternator Commissioned, 358
Visitors to Bottisham Showhouse, 258

EAST MIDLANDS

Doncaster's New Plant, 48
East Midlands Consumers Will Pay More for Gas, 175
Minister Sees Methane Grid Safety Inspection Methods—Photo, 259
Spalding Accounts and Costing Staff to Move, 45

NORTH EASTERN

Board Takes Steps to Increase Winter Output, 151
Horsbury Showrooms Close, 48

NORTHERN

Board Organises Table-Laying Contest—Photos, 48
Duke of Edinburgh Opens Clairville Stadium at Middlesbrough, 174
Reorganisation Produces Northern Staff Changes, 323

NORTH THAMES

Appointments, 131
Cooker Deliveries, 82
Gas Central Heat Sales Record, 287
New Film—' No Waiting for Comfort,' 131
North Thames Men Aid Road Safety Cause, 130
Poplar First Aid Team Wins Trophy—Photo, 45
Stores Contest Joint Winners, 81
Tariff Adjustments, 356

NORTH WESTERN

Aerial Tour of Pennine Spur Methane Line—Photos, 257
Appliance Sales Up, 236
Board Orders £1 mill. Naphtha Reformer, 48
Gas Coke and Phimax to Cost More, 129
Record Sales of Appliances, 175
Sixpence-in-the-Pound Commission, 130
Windermere Show for Salesmen, 152

SCOTTISH

Board Sponsors Drawing-Room Opera, 206
Bottled Gas Proposals for Lerwick, 47
Chairman Interviewed on Television—Photo, 237
Esso Agreement with the Scottish Gas Board, 178
Edinburgh Evening News Ideal Home Exhibition—Photo, 44
Gas from Oil—Big New Plant—Photo, 205
Propane Storage Drum for Provan—Photo, 286
Royal Highland Show—Photo, 236
Scottish Board Staff Conference—Gas Coming ' More and More to Forefront '—Photo, 8

SOUTHERN

Farnborough Flats to be Gas Heated, 49
Show House Features Radiation Ductair Heating—Photo, 46
Hot—But the Fires Sell, 131
Hythe to Ower 20-in. Gas Pipeline Progress—Photos, 17
Spring Water Heater Successes, 236
Town Gas Supply for Salisbury Plain, 150

SOUTH EASTERN

Board Prepares for Methane Imports—Photos, 324
Early Price Rise Planned, 107
Hastings Explosions, 80
Thames Pipeline for Sahara Gas, 47

SOUTH WESTERN

Board Installs Acetal Resin Pipes, 193
Pipeline in South West, 102
Pressure Reforming by I.C.I. Process, 47

WALES

H.Q. Staff Move into Snelling House, 150
New Showroom at Newport, 175
North Wales Grid Control Centre Opened—Photos, 354
Wales—Another Steambloc, 131

WEST MIDLANDS

Closure of Mond Works Provides Intricate Job—Photos, 202
Mobile Showroom for Cheadle, 258
Students on Works Visit—Photo, 236

AUTHORS

Andrew, L. W., and Carter, B. C., ' Appliance Approval in the Gas Industry,' 33
Bennett, L. C., and Ross, L. A., ' Advances in Liquid Purification Techniques at Bristol,' 119
Carter, B. C., and Andrew, L. W., ' Appliance Approval in the Gas Industry,' 33
Craven, D., and Murdy, E., ' An Aluminium Pipe Bridge,' 229
Davy, V. P., ' A Reversion Pressure Recorder,' 147
Dodgshon, G. H., and Kendall, C. R., ' Distribution Problems : Prevention and Cure,' 97
Farr, Walter—
' Russian Post-war Publications on Coal Carbonisation, Fuel Analyses and Related Fields,'—Part One, 66
' The Fuel Gas Industry in the U.S.S.R., 163
Farrow, Miss N. H., and Gardner, W. F., 'The Development of a Gas Chromatograph for the Routine Analysis of Town Gas,' 251
Gardner, W. F., and Farrow, Miss N. H., ' The Development of a Gas Chromatograph for the Routine Analysis of Town Gas,' 251
Grocott, F., ' Productivity in the Manufacture of Town Gas,' 274
Hird, W. T., ' Telecontrol Development and the Wales Gas Grid,' 345
Hopton, G. U., ' Research on New Methods of Gas Treatment,' 282
Jarman, Hugh—
' Storage Underground,' 219
' Washington Chooses Gas,' 309
Keane, N. J., ' Constructing Gas Mains on Modern Road Bridges,' 347
Kearns, K., and Wilkinson, G., ' Tower and Tray Type Purifiers,' 310
Kendall, C. R., and Dodgshon, G. H., ' Distribution Problems: Prevention and Cure,' 97
Minton, H. B.—
' Plant Maintenance—the Case for Work Study,'
Part One, 141
Part Two, 168
Part Three, 196
Murdy, E., and Craven, D., ' An Aluminium Pipe Bridge,' 229
Robert, F., ' Consolidate Gains and Continue the Advance,' 172
Rooke, D. E., ' Production Developments in the Gas Industry,' 38
Ross, L. A., and Bennett, L. C., ' Advances in Liquid Purification Techniques at Bristol,' 119
Sherwood, Peter W., ' Hydrocarbon Gas Technology,' 76, 196
Swiss, N.—
' Fluidisation Techniques in the Gas Industry,' 65
' Rate of Growth of Soviet Natural Gas Industry,' 102
' Statistics of French Consumption of Natural Gas, 1962,' 145
Wilkinson, G., and Kearns, K., ' Tower and Tray Type Purifiers,' 310
Würth, Jakob—
' German Gas Situation,' 273
' German Newsletter,' 171
' West Germans Will Encourage Supply of Non-Toxic Gas' 75

BOOK REVIEWS

' British Petroleum Equipment.' Council of British Manufacturers of Petroleum Equipment, 194
' Modern Printers Year Book & Directory of Suppliers 1963,' 352

CORRESPONDENCE

Cran, J. E., ' Any Suggestions?', 237
Le Fevre, R. N., ' One-Pipe Meters,' 18

EDITORIAL COMMENT

' A.T.G. Meeting at Biarritz, The,' 63
' Birth of a Division,' 342
' Boiler Hunt,' 140
' Borrowing Powers,' 32
' Brighton Conference,' 64
' Carbonisation Rationalised,' 270
' Chromatography in the Gasworks,' 250
' Coal Sales 1962-63,' 94
' Creosote from Coal Still in Demand,' 93
' Fires—Cause and Prevention,' 118
' Fuel Statistics 1962,' 162
' Gas Cooker Crisis, The,' 249
' Gas in France 1962,' 190
' Getting the Best out of Dealers,' 307
' High Speed Conference—H.S.C.' 269
' Hitchin Reforming Plant,' 94
' Industrial Advertising,' 140
' In the Swim,' 270
' Introducing the "Kwali",' 250
' Invitation Down Under,' 250
' Layman Looks at the Industry, A,' 162
' Liquid Purification Vindicated,' 117
' Matter of Handling, A,' 31
' Partners in a Boom,' 308
' Passing of South Staffs. Mond, The,' 189
' Pipe Bridge of the '60s, The,' 215
' Press on Regardless,' 216
' Prestige Publicity,' 32
' Putting the Seal on Success,' 161
' Scottish Staff Conference, The,' 7
' Street Lighting,' 342
' Surplus by the N.C.B., A,' 32
' The '50 Club,' 216
' Towards the New Image,' 341
' Trays or Towers,' 308
' TV Advertising,' 64
' Winter Fuel,' 342
' World Petroleum Congress,' 64
' Work Study Applied to Plant Maintenance,' 139

GAS COUNCIL

Gas Council Work at Watson House, 287
Gas Maintenance Craftsmen's Pay, 150
Liquid Methane Pump Passes Test—Photo, 325
Minister Makes Helicopter Trip to Study Methane Pipeline Progress—Photo, 129
Sir Henry Jones Presents Cash Awards for Ideas—Photo, 80

OBITUARY

Blanchard, B., 49
Bruce, G., 153
Fowler, B. W., 179
Galleway, H., 49
Tomlinson, T. A., 326
Waid, W. S., 179

PERSONAL

Allen, H. F., 260
Ashmole, G. F., 206
Baker, D. A., 81
Baker, D. F., 108
Balfour, The Earl of, 326
Ball, T. W., 237
Bayly, A. G. L., 237
Bell, C. W., 260
Bird, E., 132
Blench, E. A., 260
Brewster, D. B., 108
Brodie, Mrs. J. N., 153
Carey, C. E., 49
Clark, A. A. H., 81
Clark, N. M., 326
Clarke, H. G., 237
Clayton, D., 132
Cleaver, G., 260
Clyne, O., 326
Cope, H. F., 153
Croft, A. R., 358
Crooks, P. A., 260
Culshaw, G. W., 49
Dent, F. J., 132
Derbyshire, A., 108
Dixon, P. D, 237

Elles-Hill, W., 108
Fallon, G., 49
Fallon, J., 49
Feilden, G. B. R., 326
Fisher, F., 132
Franklin, R. K., 179
Friswell, A. A., 108
George, J. F., 108
Hamworth, M., 326
Hanson, R. P., 81
Heathcote, E., 81
Hebden, D., 132
Henfrey-Smith, F. C., 49
Hobbs, K. P. J., 81
Horsfield, A. B., 81
Howlett, L. B. L., 237
Hunter-Rioch, J., 49, 132
Hutton, J. A. D., 237
Humphries, K. W., 81
Johnson, E. James, 326
Johnson, F. W., 153
Jones, J. E., 49
Junkison, N. R., 49
King, L. F., 132
Knight, R., 81
Lant, D. P., 326
Law, J. E., 49
Leaver, R. D., 153
Lloyd, Sir Herbert, 132
Locke, Mrs. M. J., 132
McIntyre, M. S., 108
McLead, W., 108
Macken, P. J., 260
Marfleet, S. R., 153
Marley, C., 8
Mayo, A. F., 237
Mercer, J. L. P., 81
Milnes, J., 206
Moignard, L. A., 132
Mott, J. E., 260
Murphy, E. A., 49
Newbigging, E., 132
Orr, S. M., 132
Peat, T. A., 206
Pettit, C. G., 49
Phillips, G. W., 49
Phillips, R. M., 108
Pitick, V. C., 179
Pope, J. G., 358
Pope, T. O. M., 108
Press, F. J., 260
Purdie, A. S., 132
Quayle, J. P., 260
Radley, S. A., 132
Redcliffe, E. D., 153
Rice, J. D., 108
Richards, A. N., 81
Richards, B. J., 81
Richardson, W., 81
Ridley, M., 81
Rodick, R. S., 81
Royle-Higginson, R. V., 81
Ryder, S. E. A., 81
Samuels, F. R., 326
Sanders, Sir Arthur, 326
Seabrook, H. A., 153
Secar, S. A., 81
Schon, F., 179
Smith, C. C., 260
Smith, W. H., 81
Stacey, J. R., 81
Stevenson, G. E., 179
Tate, W. K., 81
Thomas, A., 81
Thornton, E., 49
Turner, A. R., 132
Tyrrell, A. E., 49
Walker, A. W., 108
Walters, K. A., 206
White, F. W., 81
Wilson, W. D., 132
Withers, W. J., 49
Wooldridge, A. E., 132
Wosencroft, W. H., 49
Wyss, J. H., 153
Young, E. W., 108

TECHNICAL DEVELOPMENTS

Audco Ltd.—Tanker Valve, 126
Bellis & Morcom Ltd.—Heavy-Duty Compressors, 79
Crane Ltd.—Bronze Ball Valve, 126
Davis Mfg. Inc.—Trenching Machines, 128
Ether Ltd.—New Types of Solenoid Valves, 126
Fisher Governor Co. Ltd.—Improved Packing Boxes, 128
General Descaling Co. Ltd.—Pipeline Equipment, 106
Kleen-e-ze Brush Co. Ltd.—Cleaning Conveyor Belts, 79
M.T.E. Control Gear Ltd.—Control Gear, 79
Norco Engineering Ltd.—Pipe Aligners, 127
Pratt of Sutton—Rotary Compressors, 106
Rotork Engineering Co. Ltd.—Valve Actuator Series, 126
Tunny Cranes Ltd.—Crawler-Mounted Crane, 127
Unitex Ltd.—Industrial Synthetics, 106
VEB Junkalor Dessau—Gas Density Transmitter, 317
Victor Products (Wallsend) Ltd.—Lighting Fittings, 317
Visco Ltd.—Static Type Air Filter, 105
Walker Crosweller & Co. Ltd.—Measuring the Level of Low-Viscosity Liquids, 79
Ward, Thos. W. Ltd.—Sheepsfoot Roller, 106
Westinghouse Brake and Signal Co. Ltd.—Two-Wire Centralised Remote Control, 105
Winn, Charles & Co. Ltd.—Redesigned Diaphragms, 106

TRADE NOTES

Allen West & Co. Ltd., 175
Babcock & Wilcox Ltd., 132
British Association of Corrosion Engineers, 175
British Oxygen Co. Ltd., 132
Burco Dean Ltd., 175
Clarkson Valve Co. Ltd., 132
Consolidated Electrodynamics Corporation, 237
Constructors John Brown Ltd., 132
Crane Ltd., 206
Danks of Netherton Ltd., 237
Darlington Railway Plant & Foundry Co. Ltd., 237
Davy & United Engineering Co. Ltd., 132
Dempster, Robert & Sons Ltd., 18, 108
De Vere Holdings, Ltd., 18
Dewrance & Co. Ltd., 358
Dryden, Thomas & Sons Ltd., 18
Elliott-Automation Ltd., 237
Ellison, George Ltd., 237
Ensign Conveyor Co. Ltd., 237
Fisher and Ludlow Ltd., 358
Flavel, Sidney & Co. Ltd., 358
Hazemac, 132
Heatinaire Ltd., 206
Hilger and Watts, 260
Holmes, W. C., & Co. Ltd., 132
Industrial Instrument Services Co., 82
Industrial Radiography (N.D.T.) Ltd., 82
Infra Red Development Company, 260
Kellogg International Corporation, 260
Lincoln Furnaces Ltd., 237
Liquid Gas Import & Marketing Ltd., 132
Main, R. &. A. Ltd., 108
Martonair Ltd., 132, 175
Moffats Ltd., 108
Muir Goodfellow & Co. Ltd., 108
National Coal Board (Yorkshire Division), 206
Neldco Processes Ltd., 132
Oxley-Dempster Ltd., 108, 206
Oxley Engineering Co. Ltd., 18, 108
Oxley Industries Ltd., 18, 108
Potterton, Thomas Ltd., 108, 358
Radiation New World Ltd., 206
Railway & General Engineering Co. Ltd., 237
Robinson, F. R., & Co. Ltd., 18
Rocol Ltd., 82
Sigmund Pulsometer Pumps Ltd., 82
Smith, John (Keighley) Ltd., 237
Smith, Thomas & Sons (Radley) Ltd., 237
Spencer-Bonecourt-Clarkson Ltd., 132
Sutcliffe Group of Companies, 206
Sutcliffe, Richard, Engineering Systems Ltd., 132
Ward Group, 237
Wellman Smith Owen Engineering Corporation, 132
Westinghouse Brake and Signal Co., 132
Wheesoe Ltd., 260
Widnes Foundry & Engineering Co. Ltd., 237

TRADE PUBLICATIONS

Fielden Electronics Ltd., 106
Smith, S., & Sons (England) Ltd., 106
Walker Crosweller & Co. Ltd., 79
Wavin Pipe United Kingdom Ltd., 128